

APPENDIX E

FORMAT OF GEOGRAPHICAL ANNEX**NATURAL PHENOMENA**

- Climate.
- Weather: seasonal expectancy and extreme conditions; effects of weather on ships, craft, and working conditions.
- Winds: prevailing and extreme.
- Tide tables.
- Tables of daylight, moonlight, and darkness.
- Star charts.

SHORELINE OTHER THAN BEACHES

- General characteristics.

ANCHORAGES

- Characteristics of sheltered anchorages for small craft and of adjacent beaches suitable for boat maintenance and bivouacs.

EXISTING PORTS

- Evaluation of wharves, docks, unloading facilities, covered and uncovered storage, repair facilities, and routes.
- Availability of native labor.

UNDERDEVELOPED HARBORS

- Potential capacity and facilities when developed.

CONSTRUCTION MATERIALS

- Actual or potential supply of gravel, timber, and other construction materials.

EXISTING ROADS AND RAILROADS

- Net characteristics.
- Railroad facilities immediately or potentially available.

LANDING BEACHES

- Include for each beach—
 - Exact location.
 - Portions with clear approaches.
 - Bars, reefs, and other obstacles (natural or constructed by the enemy).
 - Gradient of underwater approaches and its effect on the beaching of landing ships and craft.
 - Effect of tides on the width of the beach.
 - Nature of bottom immediately off the beach.
 - Surf.
 - Currents near shore.
 - Physical consistency of the beach; its effect on the movement of personnel and vehicles.
 - Width at all tides.
 - Terrain behind the beach including consistency of the ground, effect on movement, cover, swamps, and bogs.
 - Exits, existing and potential.
 - Water supply.
 - Terrestrial observations over beaches.